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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1043	379/93.17,207.15.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 10:24
L2	3	1 and "707"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 10:26
L3	808936	(database or (data adj (base or source)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 10:27
L4	120390	3 and (databases! or (data adj (bases! or sources!)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 10:27
L5	5238	4 and (database or (data adj (base or source))) adj2 (id or identifier or identification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 10:28
L6	494	5 and (first and second) adj2 (database or (data adj (base or source)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 10:28
L7	100	5 and (first and second) adj2 (databases! or (data adj (bases! or sources!)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 10:29
L8	16	7 and (search\$6 or request\$5 or quer\$5 or retriev\$6) adj2 (databases! or (data adj (bases! or sources!)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 10:29


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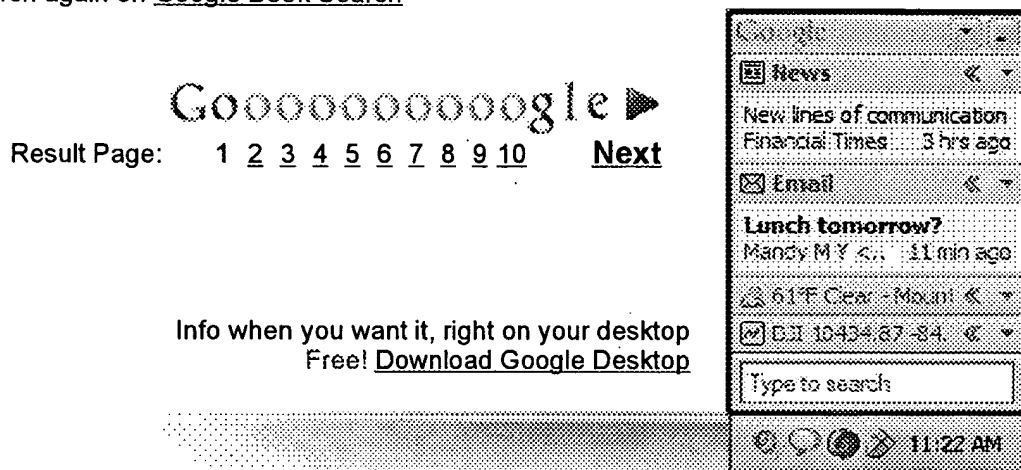
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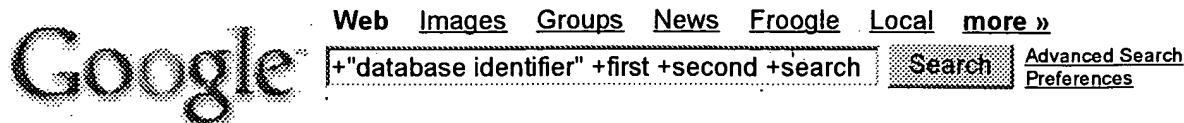
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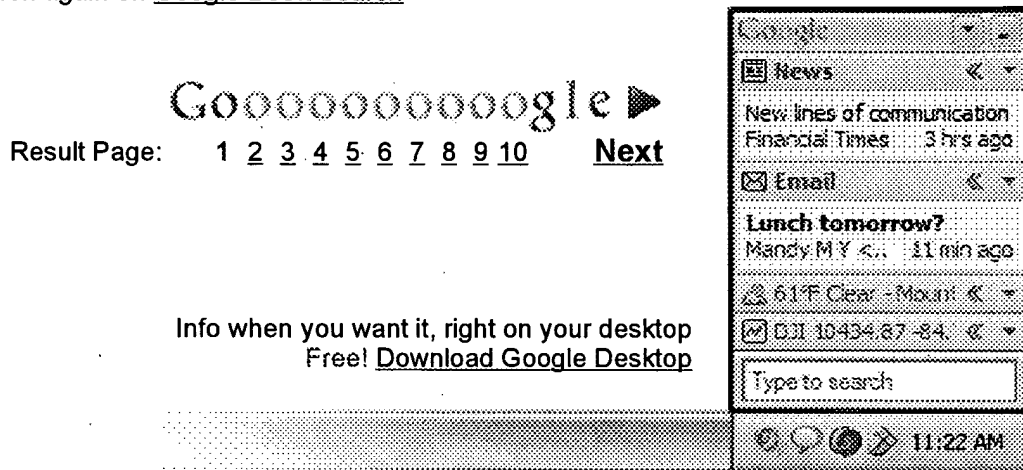
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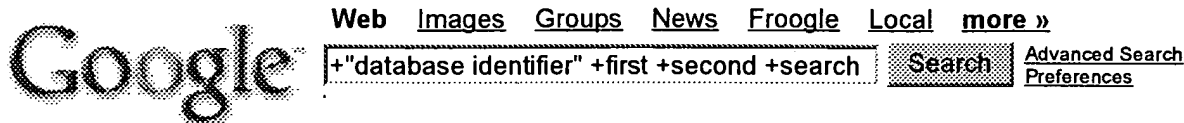


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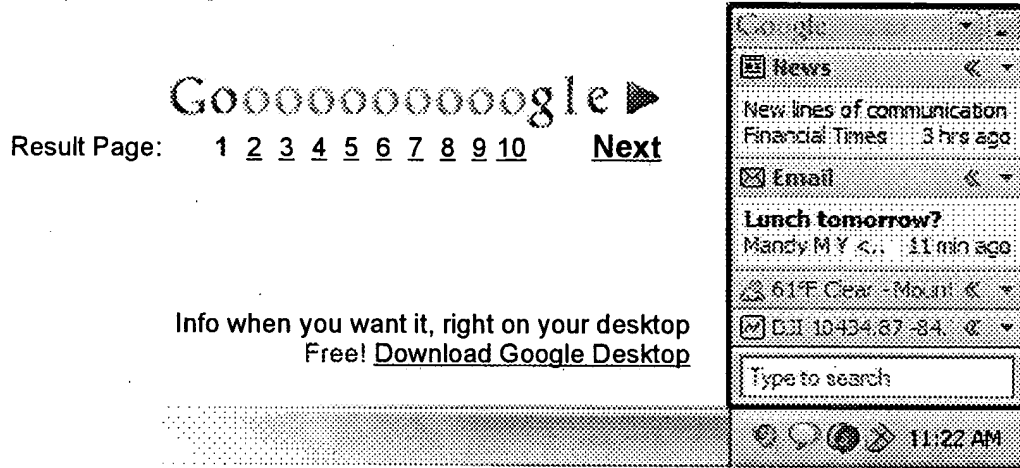
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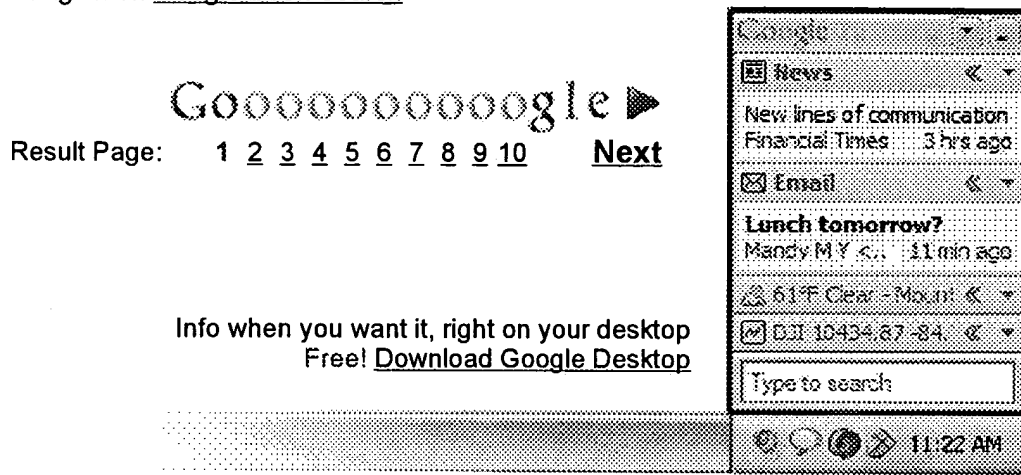
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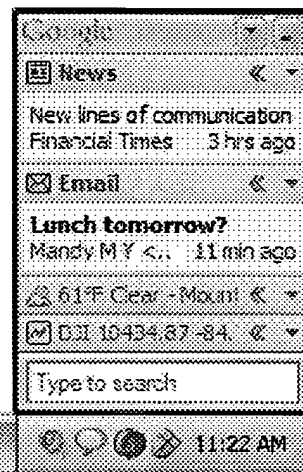
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Jack G. Conrad, Joanne R. S. Claussen

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Publisher: ACM Press

 Full text available: pdf(845.54 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The continued growth of very large data environments such as Westlaw and Dialog, in addition to the World Wide Web, increases the importance of effective and efficient database selection and searching. Current research focuses largely on completely autonomous and automatic selection, searching, and results merging in distributed environments. This fully automatic approach has significant deficiencies, including reliance upon thresholds below which databases with relevant documents are not search ...

Keywords: Database selection, metadata for retrieval, structuring information to aid search and navigation, user interaction

2 [A highly scalable and effective method for metasearch](#)



Weiyi Meng, Zonghuan Wu, Clement Yu, Zhuogang Li

 July 2001 **ACM Transactions on Information Systems (TOIS)**, Volume 19 Issue 3

Publisher: ACM Press

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A metasearch engine is a system that supports unified access to multiple local search engines. Database selection is one of the main challenges in building a large-scale metasearch engine. The problem is to efficiently and accurately determine a small number of potentially useful local search engines to invoke for each user query. In order to enable accurate selection, metadata that reflect the contents of each search engine need to be collected and used. This article proposes a highly scalable ...

Keywords: Database selection, distributed text retrieval, metasearch engine, resource discovery

3 [GLOSS: text-source discovery over the Internet](#)



Luis Gravano, Héctor García-Molina, Anthony Tomasic



June 1999 **ACM Transactions on Database Systems (TODS)**, Volume 24 Issue 2

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Full text available: pdf(230.37 KB)

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The dramatic growth of the Internet has created a new problem for users: location of the relevant sources of documents. This article presents a framework for (and experimentally analyzes a solution to) this problem, which we call the text-source discovery problem. Our approach consists of two phases. First, each text source exports its contents to a centralized service. Second, users present queries to the service, which returns an ordered list of promising text sources. T ...

Keywords: Internet search and retrieval, digital libraries, distributed information retrieval, text databases

4 [Data structures for efficient broker implementation](#)



Anthony Tomasic, Luis Gravano, Calvin Lue, Peter Schwarz, Laura Haas

July 1997 **ACM Transactions on Information Systems (TOIS)**, Volume 15 Issue 3

Publisher: ACM Press

Full text available: pdf(316.45 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

With the profusion of text databases on the Internet, it is becoming increasingly hard to find the most useful databases for a given query. To attack this problem, several existing and proposed systems employ brokers to direct user queries, using a local database of summary information about the available databases. This summary information must effectively distinguish relevant databases and must be compact while allowing efficient access. We offer evidence that one broker, GLOSS

Keywords: GLOSS, broker architecture, broker performance, distributed information, grid files, partitioned hashing

5 [Partial collection replication versus caching for information retrieval systems](#)



Zhihong Lu, Kathryn S. McKinley

July 2000 **Proceedings of the 23rd annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(918.72 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The explosion of content in distributed information retrieval (IR) systems requires new mechanisms to attain timely and accurate retrieval of unstructured text. In this paper, we compare two mechanisms to improve IR system performance: partial collection replication and caching. When queries have locality, both mechanisms return results more quickly than sending queries to the original collection(s). Caches return results when queries exactly match a previous one. Partial replicas are a form ...

Keywords: cache, distributed IR architectures, partial replica

6 [The effectiveness of GLOSS for the text database discovery problem](#)



Luis Gravano, Héctor García-Molina, Anthony Tomasic

May 1994. **ACM SIGMOD Record , Proceedings of the 1994 ACM SIGMOD international conference on Management of data SIGMOD '94**, Volume 23 Issue 2

Publisher: ACM Press

Full text available: pdf(1.36 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

[terms](#)

The popularity of on-line document databases has led to a new problem: finding which text databases (out of many candidate choices) are the most relevant to a user. Identifying the relevant databases for a given query is the text database discovery problem. The first part of this paper presents a practical solution based on estimating the result size of a query and a database. The method is termed GIOSS—Glossary of Servers Server. The second part of t ...

7 [A distributed object-oriented database system supporting shared and private databases](#)



Won Kim, Nat Ballou, Jorge F. Garza, Darrell Woelk

January 1991 **ACM Transactions on Information Systems (TOIS)**, Volume 9 Issue 1

Publisher: ACM Press

Full text available: [pdf\(1.58 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

ORION-2 is a commercially available, federated, object-oriented database management system designed and implemented at MCC. One major architectural innovation in ORION-2 is the coexistence of a shared database and a number of private databases. The shared database is accessible to all authorized users of the system, while each private database is accessible to only the user who owns it. A distributed database system with a shared database and private databases for individual users is a natu ...

Keywords: client-server architecture, federated databases, object-oriented databases

8 [Data and conceptual models: The 78 CODASYL database model: a comparison with preceding specifications](#)



Mary E. S. Loomis

May 1980 **Proceedings of the 1980 ACM SIGMOD international conference on Management of data SIGMOD '80**

Publisher: ACM Press

Full text available: [pdf\(1.36 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

This paper compares the database model specified by the CODASYL Data Definition Language Committee in its 1978 *Journal of Development* and the prior model, known familiarly as the CODASYL DBTG model, as specified in 1973 and 1971. The primary achievement of the 78 model appears to be increased potential for data independence by separation of external model and internal model considerations. The external model is described by a DDL; the internal model is described by a DSDL. Additionally, t ...

Keywords: CODASYL, DBTG, data definition language, data independence, data storage description language, database management system, database model

9 [Logical composition of object-oriented interfaces](#)



Mark Grossman, Raimund K. Ege

December 1987 **ACM SIGPLAN Notices , Conference proceedings on Object-oriented programming systems, languages and applications OOPSLA '87**, Volume 22 Issue 12

Publisher: ACM Press

Full text available: [pdf\(1.30 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes an approach to object-oriented interface design that goes beyond mere object decomposition. In our user interface management system we use logic and filters to declaratively specify and control a space of ways that objects may be composed

to create interfaces. A filter is a package of constraints and associated typed objects that express the relationship of data and representation objects. Conceptually our system is completely based on constraints. Filters pr ...

10 [Articles on microarray data mining: Differential expression, class discovery and class prediction using S-PLUS and S+ArrayAnalyzer](#)

Michael O'Connell

December 2003 **ACM SIGKDD Explorations Newsletter**, Volume 5 Issue 2

Publisher: ACM Press

Full text available: [pdf\(958.46 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Microarrays are a powerful experimental platform, allowing simultaneous studies of gene expression for thousands of genes under different experimental conditions. However there is much biological variability induced throughout the experimental process that can obscure the biological signals of interest. As such, the need for experimental design, replication and statistical rigor are now widely recognized. Statistical hypothesis testing has become the accepted differential expression analysis app ...

Keywords: S+ArrayAnalyzer, S-PLUS, class discovery, class prediction, differential expression

11 [A transformational grammar-based query processor for access control in a planning system](#)

Robert H. Bonczek, James I. Cash, Andrew B. Whinston

December 1977 **ACM Transactions on Database Systems (TODS)**, Volume 2 Issue 4

Publisher: ACM Press

Full text available: [pdf\(960.27 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Providing computer facilities and data availability to larger numbers of users generates increased system vulnerability which is partially offset by software security systems. Much too often these systems are presented as ad hoc additions to the basic data management system. One very important constituent of software security systems is the access control mechanism which may be the last resource available to prohibit unauthorized data retrieval. This paper presents a specification for an ac ...

Keywords: access control, data security, database, decision support system, planning system

12 [A mechanism for automatic object locking in C++-based object-oriented databases](#)

Yong S. Jun, Suk I. Yoo

February 1996 **Proceedings of the 1996 ACM symposium on Applied Computing**

Publisher: ACM Press





Full text available: [pdf\(960.91 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: OODBMS, OODBPL, locking

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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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